

FORM PTO - 1449 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTY DOCKET NO.: 23998-021 APPLICANTS: Frost, John W. APPLICATION NO.: 10/572,976 FILING DATE: 11/20/2006 GROUP: 1652					
U.S. PATENT DOCUMENTS									
EXAM INIT.		DOCUMENT NO.	DATE	NAME		CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
		5,164,382	11/17/1992	Sutherland et al.					
		5,168,056	12/01/1992	Frost					
		5,272,073	12/21/1993	Frost et al.					
		5,629,181	05/13/1997	Frost et al.					
		5,798,236	08/25/1998	Frost et al.					
		5,821,266	10/13/1998	Frost					
		5,906,925	05/25/1999	Liao					
		6,436,664	08/20/2002	Lomantas et al.					
		6,613,552	09/02/2003	Frost					
FOREIGN PATENT DOCUMENTS									
EXAM INIT.		DOCUMENT NO.	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
		94/14955	07/07/1994	WO					
		96/34961	11/07/1996	WO					
		98/18937	05/07/1998	WO					
		00/44923	08/03/2000	WO					
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM INIT.		OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)							
		Arias, A., et al., "Galactose Metabolism in <i>Rhizobium meliloti</i> L5-30," Journal of Bacteriology, Vol. 167, No. 3, pgs. 1092-1094, (1986).							
EXAMINER		/Tekchand Saidha/ (04/09/2010)			DATE CONSIDERED				

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.S./

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OTHER ART, JOURNAL ARTICLES, ETC.

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	Attwood, T., Science Magazine, "Genomics: The Babel of Bioinformatics," Vol. 290, No. 5491, pgs. 471-173, (2000).
	Brown, K.D., et al., "Transport And Utilization Of The Biosynthetic Intermediate Shikimic Acid In Escherichia Coli," Biochimica et Biophysica Acta, Vol. 428, pgs. 550-562, (1976).
	Cramer, A., et al., "DNA shuffling of a family of genes from diverse species accelerates directed evolution," Nature, Vol. 391, pgs. 288-291, (1998).
	Datsenko, K.A., et al., "One-step inactivation of chromosomal genes in Escherichia coli K-12 using PCR products," Proceedings of the National Academy of Sciences of the United States of America, Vol. 97, No. 12, pgs. 6640-6645, (2000).
	Dell, K.A., et al., "Identification And Removal Of Impediments To Biocatalytic Synthesis Of Aromatics From D-Glucose: Rate-Limiting Enzymes In The Common Pathway Of Aromatic Amino Acid Biosynthesis," Journal of American Chemical Society, Vol. 115, pgs. 11581-11589, (1993).
	Draths, K.M., et al., "Biocatalysis And Nineteenth Century Organic Chemistry: Conversion Of D-Glucose Into Quinoid Organics," Journal of American Chemical Society, Vol. 114, No. 24, pgs. 9725-9726, (1992).
	Draths, K.M., et al., "Environmentally Compatible Synthesis Of Catechol From D-Glucose," Journal of American Chemical Society, Vol. 117, pgs. 2395-2400, (1995).
	Draths, K.M., et al., "Shikimic acid and Quinic Acid: Replacing Isolation from Plant Sources with Recombinant Microbial Biocatalysis," Journal of American Chemical Society, Vol. 121, No. 7, pgs. 1603-1604, (1999).
	Frost, J. et al., "Biocatalytic Syntheses of Aromatics From D-Glucose: Renewable Microbial Sources Of Aromatic Compounds," Annual Review of Microbiology, Vol. 49, pgs. 557-579, (1995).
	Frost, et al., "Dehydroquinase Synthase from Escherichia coli: Purification, Cloning, and Construction of Overproducers Of The Enzyme. Biochemistry," Vol. 23, pgs. 4470-4475, (1984).
	Gu, W., et al., "Imidazole Acetyl Phosphate Aminotransferase In Zymomonas Mobilis: Molecular Genetic, Biochemical, And Evolutionary Analyses," Journal of Bacteriology, Vol. 177, pgs. 1576-1584, (1995).
	Haslam, Edwin, "Chemistry Of Intermediates In The Common Pathway," Shikimic Acid: Metabolism and Metabolites, John Wiley & Sons, New York, pgs. 40-42, (1993).
EXAMINER	/Tekchand Saidha/ (04/09/2010) DATE CONSIDERED

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OTHER ART, JOURNAL ARTICLES, ETC.		
EXAM INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
	Kikuchi, et al., "Mutational Analysis of the Feedback Sites of Phenylalanine-Sensitive 3-Deoxy-D-Arabinohexitulosonate-7- Phosphate Synthase of Escherichia coli," Applied and Environmental Microbiology, Vol. 63, No.2, pgs. 761-762, (1997).	
	Kim, C.U., et al., "Influenza Neuraminidase Inhibitors Possessing A Novel Hydrophobic Interaction In The Enzyme Active Site: Design, Synthesis, And Structural Analysis Of Carbocyclic Sialic Acid Analogues With Potent Anti-Influenza Activity," Journal of American Chemical Society, Vol. 119, No. 4, pgs. 681-690, (1997).	
	Knop, David R., et al., "Hydroaromatic Equilibration During Biosynthesis of Shikimic Acid," Journal of American Chemical Society, Vol. 123, No. 42, pgs. 10173-10182, (2001).	
	Konstantinov, K.B., et al., "Glucose Feeding Strategy Accounting For The Decreasing Oxidative Capacity Of Recombinant Escherichia coli In Fed-Batch Cultivation For Phenylalanine Production," Journal of Fermentation and Bioengineering, Vol. 70, No. 4, pgs. 253-260, (1990).	
	Konstantinov, K.B., et al., "Physiologically Motivated Strategies For Control Of The Fed-Batch Cultivation Of Recombinant Escherichia coli For Phenylalanine Production," Journal of Fermentation and Bioengineering, Vol. 71, No. 5, pgs. 350-355, (1991).	
	Kurn, N., et al., "Galactose Catabolism in <i>Caulobacter crescentus</i> ," Journal of Bacteriology, Vol. 135, No. 2, pgs. 517-520, (1978).	
	Li, Kai, et al., "Utilizing Succinic Acid as a Glucose Adjunct in Fed-Batch Fermentation: Is Butane a Feedstock Option in Microbe-Catalyzed Synthesis?," Journal of American Chemical Society, Vol. 121, No. 40, pgs. 9461-9462, (1999).	
	Mitsuhashi, S., et al., "Aromatic Biosynthesis - XIII. Conversion Of Quinic Acid To 5-Dehydroquinic Acid By Quinic Dehydrogenase," Biochimica Biophysica Acta, Vol. 15, pgs. 268-280, (1954).	
	Nierman, W.C., et al., "Complete genome sequence of <i>Caulobacter crescentus</i> ," Proceedings of the National Academy of Sciences of the United States of America, Vol. 98, pgs. 4136-4141, (2001).	
	Patnaik, R., et al., "Engineering Of Escherichia Coli Central Metabolism For Aromatic Metabolite Production With Near Theoretical Yield," Applied And Environmental Microbiology, Vol. 60, No. 11, pgs. 3903-3908, (1994).	
	Pittard, J., et al., "Gene Controlling the Uptake of Shikimic Acid By <i>Escherichia Coli</i> ," Journal of Bacteriology., Vol. 92, No. 4, pgs. 1070-1075, (1966).	
	Rohloff, J.C. et al., "Practical Total Synthesis Of The Anti-Influenza Drug GS-4104," The Journal of Organic Chemistry, Vol. 63, No. 12, pgs. 4545-4550, (1998).	
EXAMINER	/Tekchand Saidha/ (04/09/2010)	DATE CONSIDERED

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EXAM INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
	Stouhamer, A.H., "Glucose and Galactose Metabolism in <i>Gluconobacter liquefaciens</i> ," <i>Biochimica et Biophysica Acta</i> , Vol. 48, No. 3, pgs. 484-500, (1981).	
	Szumilo, Tadeusz, "Pathway for D-Galactonate Catabolism in Nonpathogenic Mycobacteria," <i>Journal of Bacteriology</i> , Vol. 148, No. 1, pgs. 368-370, (1981).	
	Tan, D.S., et al., "Stereoselective Synthesis Of Over Two Million Compounds Having Structural Features Both Reminiscent Of Natural Products And Compatible With Miniaturized Cell-Based Assays," <i>Journal of American Chemical Society</i> , Vol. 120, No. 33, pgs. 8565-8566, (1998).	
	Weaver et al., "Cloning of an <i>aroF</i> Allele Encoding a Tyrosine- Insensitive 3-deoxy-d-Arabinohexitulonate 7-Phosphate Synthase," <i>Journal of Bacteriology</i> , Vol. 172, No. 11, pgs. 6581-6584, (1990).	
	Whipp, M.J., et al., "Cloning and Analysis of the <i>shiA</i> Gene, which Encodes the Shikimate Transport System of <i>Escherichia Coli</i> K-12," <i>Gene</i> , Vol. 209, pgs. 185-192, (1998).	
	Whipp, M.J., et al., "A Reassessment of the Relationship Between <i>aroK</i> -1-47 and <i>aroL</i> -encoded Shikimate Kinase Enzymes of <i>Escherichia Coli</i> ," <i>Journal of Bacteriology</i> , Vol. 177, No. 6, pgs. 1627-1629, (1995).	
	Wong, T.Y., et al., "The DeLey-Doudoroff Pathway of Galactose Metabolism in <i>Azobacter vinelandii</i> ," <i>Applied Environmental Microbiology</i> , Vol. 60, No. 6, pgs. 2065-2068, (1994).	
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